

# HACKATHON 2022



(Through Online Mode)

25-26TH FEBRUARY



**ORGANISED BY**  
**CENTRE FOR INNOVATION, INCUBATION AND ENTREPRENEURSHIP**  
**NATIONAL INSTITUTE OF TECHNOLOGY MEGHALAYA**

## AIM OF THE HACKATHON

To address the following prime focused areas:

- 1 Agriculture and Rural Development.
- 2 Healthcare and Bio-medical Devices.
- 3 Smart Systems.
- 4 Renewable Energy Sources for Rural Development.
- 5 Waste Management.

## ABOUT NIT MEGHALAYA

The National Institute of Technology (NIT) Meghalaya (established in 2010 under the NIT Act 2007 as an Institute of National Importance) is one among the 31 NITs in India. NIT Meghalaya is ranked 61st position by NIRF, 56th position by Business World and 28th position under Top 35 Engineering Colleges by India Today in 2019. The Institute is presently operating from a temporary campus at Laitumkhrah, Shillong, India. Its permanent campus is under development at Cherrapunjee. The institute has five Engineering Department as Mechanical, Civil, Electrical, Electronics & Communication and Computer Science & Engineering, three basic science Departments along with one Social Science Department.

**THE PRIME FOCUS OF THIS HACKATHON IS SOLVING OF THE FOLLOWING ISSUES -**

### 1 AGRICULTURE AND RURAL DEVELOPMENT

- Irrigation.
- Water conservation.
- IOT applications in agriculture and rural development.
- Water purifiers for purifying the flowing water in the lakes.
- Low cost equipments to use in agricultural applications.

### 2 HEALTHCARE AND BIO-MEDICAL DEVICES

- Design of low cost ventilator.
- Fabrication of mask with low cost materials.
- Self assisting apps for monitoring the health issues in rural areas.

### 3 SMART SYSTEMS

- Food processing.
- Security & surveillance.
- Drone for spraying of fertilizers.
- Smart communication devices to use in rural areas.

### 4 RENEWABLE ENERGY SOURCES FOR RURAL DEVELOPMENT

- Solar energy.
- Wind energy.
- Biomass energy.

### 5 WASTE MANAGEMENT

- Waste collection.
- Waste transportation.
- Waste disposal.



 **REGISTRATION FEE : ₹500**

 **REGISTRATION LINK**

[https:// forms.gle/Buwf4HMZ4V5aaRvJ8](https://forms.gle/Buwf4HMZ4V5aaRvJ8)

**VENUE: NIT MEGHALAYA**

**IMPORTANT DATE**

**Last Date of Registration : 15th February, 2022**

 **PRIZE AMOUNT**

**Winners of each individual prime focused area will be awarded as follows:**

**First Prize: ₹ 20,000/-**



**Second Prize: ₹ 10,000/-**

**CONTACT US**

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**Account Details for Fee:**

A/C Name : NIT FITI  
A/C/ No: 40036592826  
Bank Name: SBI  
IFSC: SBIN0009105

**ORGANISING COMMITTEE**

**PATRON**

Prof. B. B. Biswal, Director, NIT Meghalaya

**ADVISORY COMMITTEE**

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Prof. Gayadhar Panda, Dean (AA)  
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**COORDINATORS**

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